

Title (en)
POWER SUPPLY UNIT HAVING AN OFF-DELAY SWITCHING CIRCUIT

Title (de)
STROMVERSORGUNGSEINHEIT MIT OFF-DELAY-SCHALTNETZWERK

Title (fr)
AGENCEMENT DE CIRCUIT COMPRENANT UN BLOC D'ALIMENTATION

Publication
EP 1709724 B1 20110209 (EN)

Application
EP 04804352 A 20041228

Priority
• EP 2004014763 W 20041228
• DE 102004001296 A 20040108

Abstract (en)
[origin: DE102004001296A1] The circuit has mains units [I-III]. A mains switch [S1] and a switching element such as a relay [R1] that bridges the first contact. The control terminal of the relay is coupled to the load [L] and provides turn off. The circuit has a microprocessor [UP] and controls the relay by switching a transistor stage [T1]. An inductance [LS] is included for power factor correction.

IPC 8 full level
H02M 1/00 (2007.01); **F04D 25/08** (2006.01); **H03K 17/28** (2006.01)

CPC (source: EP KR US)
F04D 25/08 (2013.01 - EP US); **H02M 1/16** (2013.01 - KR)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 102004001296 A1 20050728; CN 101199118 A 20080611; CN 101199118 B 20100818; DE 602004031380 D1 20110324; EP 1709724 A2 20061011; EP 1709724 B1 20110209; JP 2007520984 A 20070726; JP 4709771 B2 20110622; KR 101123907 B1 20120327; KR 20060121284 A 20061128; US 2009184584 A1 20090723; US 7839015 B2 20101123; WO 2005069468 A2 20050728; WO 2005069468 A3 20071221

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DE 102004001296 A 20040108; CN 200480038993 A 20041228; DE 602004031380 T 20041228; EP 04804352 A 20041228; EP 2004014763 W 20041228; JP 2006548172 A 20041228; KR 20067013636 A 20041228; US 58553504 A 20041228